

PATENT

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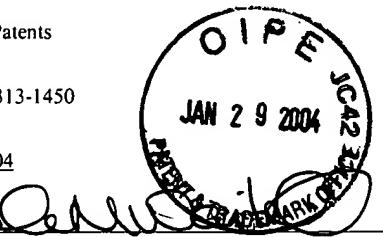
Attorney Docket No.: 020054-001130US

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

On: January 26, 2004

By: 

Nicole M. Wartell



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Peter S. Lu et al.

Application No.: 09/724,553

Filed: November 28, 2000

For: MOLECULAR INTERACTIONS
IN T-LYMPHOCYTES
(AMENDED)

Customer No.: 20350

Confirmation No.: 7232

Examiner: Belyavskyi, Michail A.

Art Unit: 1644

**SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER 37
CFR §1.97 and §1.98**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Applicants wish to make the Examiner aware of the following co-pending patent applications:

1. U.S. Patent App. No. 09/722,069, filed 11/24/2000, Attorney Docket No. 020054-001122US; and
2. U.S. Patent App. No. 09/688,017, filed 10/13/2000, Attorney Docket No. 020054-001110US.

To comply with 37 CFR §1.98(a)(2)(iii), the specifications, claims and drawings for the above applications are enclosed.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Scott L. Ausenhus
Reg. No. 42,271

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	09/724,553
Filing Date	November 28, 2000
First Named Inventor	Lu, Peter S., et. al.
Art Unit	1644
Examiner Name	DeCloux, Amy
Attorney Docket Number	020054-001130US

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US-5,632,994	05/27/97	Reed et al.	
	A2	US-5,747,245	05/05/98	Reed et al.	
	A3	US-5,876,939	03/02/99	Reed et al.	
	A4	U.S. Patent Application 09/722,069		Lu et al.	
	A5	U.S. Patent Application 09/688,017		Lu et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
B1	PCT	WO 98/05347	A1		02-12-1998			<input type="checkbox"/>
B2	PCT	WO 98/23781	A1		06-04-1998			<input type="checkbox"/>
B3	PCT	WO 98/40407	A1		09-17-1998			<input type="checkbox"/>
B4	PCT	WO 99/03974	A1		01-28-1999			<input type="checkbox"/>
B5	PCT	WO 99/07846	A1		02-18-1999			<input type="checkbox"/>
B6	PCT	WO 00/15794	A1		03-23-2000			<input type="checkbox"/>
B7	PCT	WO 00/31124	A2		06-02-2000			<input type="checkbox"/>
B8	PCT	WO 00/48002	A1		08-17-2000			<input type="checkbox"/>
B9	PCT	WO 00/69896	A2		11-23-2000	Arbor Vita Corp		<input type="checkbox"/>
B10	PCT	WO 00/69897	A2		11-23-2000	Arbor Vita Corp		<input type="checkbox"/>
B11	PCT	WO 00/69898	A2		11-23-2000	Arbor Vita Corp		<input type="checkbox"/>
B12	PCT	WO 02/42422	A2		05-30-2002	Arbor Vita Corp		<input type="checkbox"/>

Examiner Signature	Date Considered
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Examiner Name	DeCloux, Amy

Attorney Docket Number

020054-001130US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	Altin, J. and Sloan, E. "The role of CD45 and CD45-associated molecules in T cell activation" <i>Immunology and Cell Biology</i> , 1997, pp. 430-445, Vol. 75.	
	C2	Barclay, A., et al., "The Leucocyte Antigen Factsbook", Harcourt Braces & Company, page 363, (1997).	
	C3	Cherukuri, A. et al. "Floating the raft hypothesis: lipid rafts play a role in immune cell activation", <i>Immunity</i> , June 2001, pp.657-660, Vol. 14, Cell Press.	
	C4	Doyle, D. A., et al., "Crystal structures of a complexed and peptide-free membrane protein-binding domain: molecular basis of peptide recognition by PDZ", <i>Cell</i> , 85(7):1067-76, (1996).	
	C5	Faulkner, G. et al. "A New Z-band Alternatively Spliced PDZ-motif Protein." <i>The Journal of Cell Biology</i> , July 26, 1999; pp. 465-475, Vol. 146, No. 2.	
	C6	Gardioli, D. et al. "Oncogenic human papillomavirus E6 proteins target the discs large tumour suppressor for proteasome-mediated degradation", <i>Oncogene</i> , 18(40):5487-5496, (1999).	
	C7	Kiyono, T. et al. "Binding of high-risk human papillomavirus E6 oncoproteins to the human homologue of the Drosophila discs large tumor suppressor protein", <i>Proc. Natl. Acad. Sci.</i> , October 1997, pp. 11612-11616, Vol. 94, U.S.A.	
	C8	Nagase, T. et al. "Prediction of the Coding Sequence of Unidentified Human Genes. V1. The Coding Sequences of 80 New Genes (KIAA0201-KIAA0280) Deduced by Analysis of cDNA Clones from Cell Line KG-1 and Brain (Supplement)", <i>DNA Research</i> , 1996, pp. 341-354, Vol. 3, Supplement.	
	C9	Patel, V. et al., "A Molecular Framework for 2-Step T Cell Signaling: Lck Src Homology 3 Mutations Discriminate Distinctly Regulated Lipid Raft Reorganization Events", <i>Journal of Immunology</i> , 166(2):754-64 (2001).	
	C10	Reynaud, C. et al., "The PDZ Protein TIP-1 Interacts with the Rho Effector Rhotekin and Is Involved in Rho Signaling to the Serum Response Element", <i>The Journal of Biological Chemistry</i> , 275(43):33962-33968, (2000).	
	C11	Rousset, R., et al., "The C-terminus of the HTLV-1 Tax oncoprotein mediates interaction with the PDZ domain of cellular proteins"" <i>Oncogene</i> , 16(5):643-54, (1998).	
	C12	Suzuki, T., et al., "Tax oncoprotein of HTLV-1 binds to the human homologue of Drosophila discs large tumor suppressor protein, hDLG, and perturbs its function in cell growth control", <i>Oncogene</i> , 18(44):5967-72, (1999).	

Examiner Signature	Date Considered
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C13	Vallenius, T. et al. "CLP-36 PDZ-LIM Protein Addociates with Nonmuscle alpha-Actinin-1 and alpha-Actinin-4." The Journal of Biological Chemistry, April 14, 2000; pp. 11100-11105, Vol. 275, No. 15.	
	C14	Wechsler, A. et al. "Brain Spectrin binding to the NMDA receptor is regulated by phosphorylation, calcium and calmodulin." The EMBO Journal, 1998, pp. 3931-3939, Vol. 17, No. 14.	
	C15	Xia, H. et al. "Actinin-associated LIM Protein: Identification of a Domain Interaction between PDZ and Spectrin-like Repeat Motifs", The Journal of Cell Biology, October 1997, pp. 507-515, Vol. 139, No. 2.	

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1687



TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number	09/724,553
		Filing Date	November 28, 2000
		First Named Inventor	Lu, Peter S.
		Art Unit	1644
		Examiner Name	Belyavskyi, Michail A.
Total Number of Pages in This Submission		Attorney Docket Number	020054-001130US

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> <div style="margin-top: 10px;">Return Postcard, copies of thirty-two (32) cited references</div>
		Remarks <div style="border: 1px solid black; padding: 5px; width: fit-content;">The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.</div>

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

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Date	01-26-04	

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